

AVMA Perspectives on Ending Lives of Wildlife Species

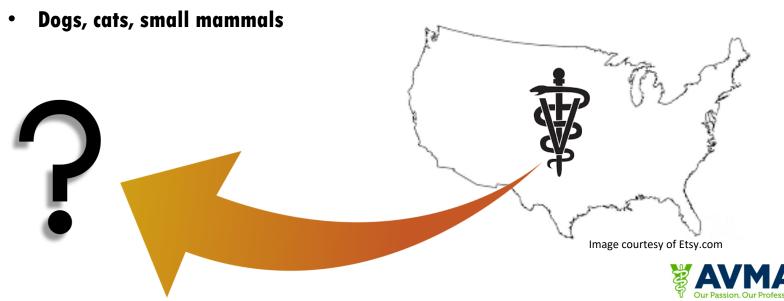
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BackgroundHistory of AVMA Euthanasia Guidelines

Developed as guidance for U.S. veterinarians

1963 first edition



BackgroundHistory of AVMA Euthanasia Guidelines



2020 edition

- Working groups + evidence-based emphasis
 - RZWG: biologists (TWS + AFWA), researchers, veterinarians
 - Free-ranging "Wildlife" in RZWG, avian, fish, invertebrate groups
- Context matters: split off Humane Slaughter and Depopulation





Background 2020 AVMA Euthanasia Guidelines

- Context matters: NOT covered
 - Pest control
 - Hunting
 - Fishing





Challenges 2020 AVMA Euthanasia Guidelines

- **Dynamic polarized social environment**
- **Diversity of species and settings**
 - Controlled vs. free-range settings
- **Definition of euthanasia**
 - "Good" death of an individual animal that minimizes pain and distress; humane
 - Communication/understanding of term
 - Real world application
- **Tradition/biases/perceptions**









Organization: new

- I. Introduction and General Comments
- II. Methods
- III. Methods of Euthanasia by Species and Environment

- Extensive
- Searchable PDF



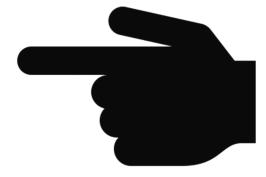




Organization

- I. Introduction and General Comments
 - I. Ethics
 - 1. Assumes justification
 - II. Criteria for method selection:
 - 1. Animal
 - 2. Human
 - 3. Environment
 - 4. Legal







Organization

I. Introduction and General Comments

II. Methods

- Animal experience: duration, consciousness, sedation vs. anesthesia...
 - Handling and environment: species variability
- Efficacy? Successful %, consistency, caveats, training,...
- Study design/practicality
- Support/statistics?
- Controlled drugs: extra-label=>VCPR, pharmaceutical grade, compounding,...
- Future: availability, legal, etc.
- <u>Veterinary/biologist experience</u> → <u>reasonable recommendations</u>





Organization

- I. Introduction and General Comments
- II. Methods



- 1. Homeotherms domestic and wild
- 2. Poikilotherms
 - 1. Limited data
 - 2. Method/biological challenges
 - 3. Determination of death





2020 POE/Slaughter/Depop **Challenges**

Terminology



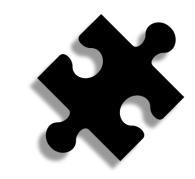
What is the animal experiencing? What is the best that we can do?





Challenges

- Adaptability: ambiguity
- Requires thoughtful interpretation: Impossible to "cookbook"
 - Knowledge
 - Communication: IACUC/researcher/public
 - Disconnect from nature/biology
- Tradition/effective interpretation of POE
 - Tension: tradition vs. new options/expectations
 - "Sniff" test





Challenges

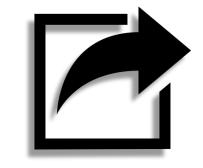
- Evidence-based: limited literature
 - How to balance/evaluate?
 - Distrust of "experts"
 - Polarized social environment → "Disinformation"
 - Litigation: "winning" vs. outcome-based focus
 - <u>"Science" dependence to avoid value-based discussions</u>
 - Need to accept tradeoffs





Creative responses

- New options
 - DeNicola, et al (2019. PlosOne): remote euthanasia of cervids
 - Gilbertson and Wyatt (2016. JAALA small euthanasia





Take Home Points



Thoughtful consideration

Context matters



THANK YOU



